

Title (en)

Ink supply for an ink jet print head

Title (de)

Anordnung zur Tintenversorgung eines Tintendruckkopfes

Title (fr)

Dispositif d'alimentation en encre pour tête d'impression par jet d'encre

Publication

EP 0854042 B1 20010314 (DE)

Application

EP 97250343 A 19971115

Priority

DE 19651047 A 19961209

Abstract (en)

[origin: DE19651047C1] The printing head comprises individual modules (1-3) each having an ink connecting pipe (4-6). A common adaptor (7) is provided for the modules and is formed as a fluid distributor element on one side set elastically on the ink connecting pipe and on the other having a connecting pipe (75) for attachment to an ink tube leading to the ink tank. Each module has an ink printing module (11-31) with flanks (1111) at the ends for fluid mechanical coupling with the associated ink connecting pipe. The ink printing modules have a common supply channel for feeding ink printing chambers. A pressure compensating membrane (72) is provided as an ink-resistant flexible plastics foil on the basic member (71) of the adaptor.

IPC 1-7

B41J 2/175

IPC 8 full level

B41J 2/175 (2006.01)

CPC (source: EP US)

B41J 2/17523 (2013.01 - EP US)

Cited by

EP2111991A1; US8075109B2

Designated contracting state (EPC)

CH DE FR GB IT LI

DOCDB simple family (publication)

DE 19651047 C1 19980416; DE 59703139 D1 20010419; EP 0854042 A2 19980722; EP 0854042 A3 19991013; EP 0854042 B1 20010314; US 6024443 A 20000215

DOCDB simple family (application)

DE 19651047 A 19961209; DE 59703139 T 19971115; EP 97250343 A 19971115; US 98754797 A 19971209